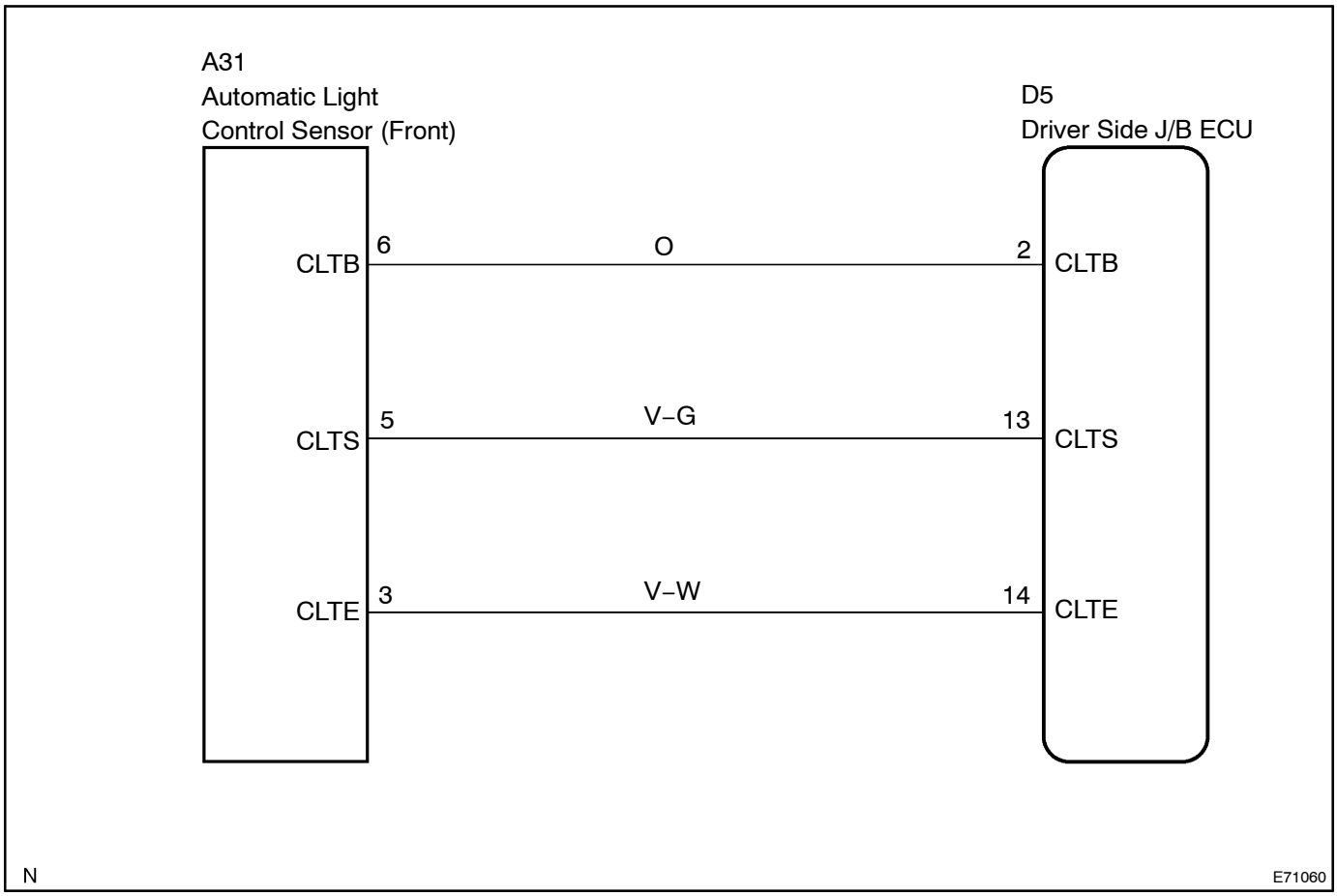
# DTC B1244 LIGHT SENSOR CIRCUIT MALFUNCTION

## CIRCUIT DESCRIPTION

This DTC is output when failure in the light sensor circuit is detected.

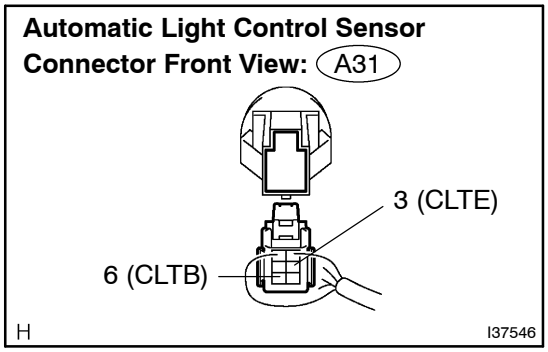
| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| B1244 | • Malfunction in light control sensor<br>• Open or short in automatic light control sensor circuit | • Automatic light control sensor<br>• Wire harness or connector<br>• Driver side junction block ECU |

## WIRING DIAGRAM



# INSPECTION PROCEDURE

| 1 | CHECK HARNESS AND CONNECTOR(AUTOMATIC LIGHT CONTROL SENSOR POWER SOURCE CIRCUIT) |
|---|---|




(a) Disconnect the automatic light control sensor connector.
(b) Measure the voltage according to the value(s) in the table below.

**Standard:**

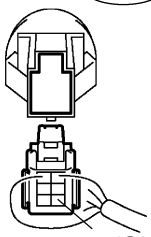
| Tester Connection | Condition | Specified Condition |
|---|---|---|
| A31–3 – A31–6 | Ignition switch ON | 10 to 14 V |

**NG** → **Go to step 4**

**OK**

| 2 | CHECK HARNESS AND CONNECTOR(DRIVER SIDE JUNCTION BLOCK – AUTOMATIC LIGHT CONTROL SENSOR) |
|---|---|

**Automatic Light Control Sensor Connector Front View:** A31



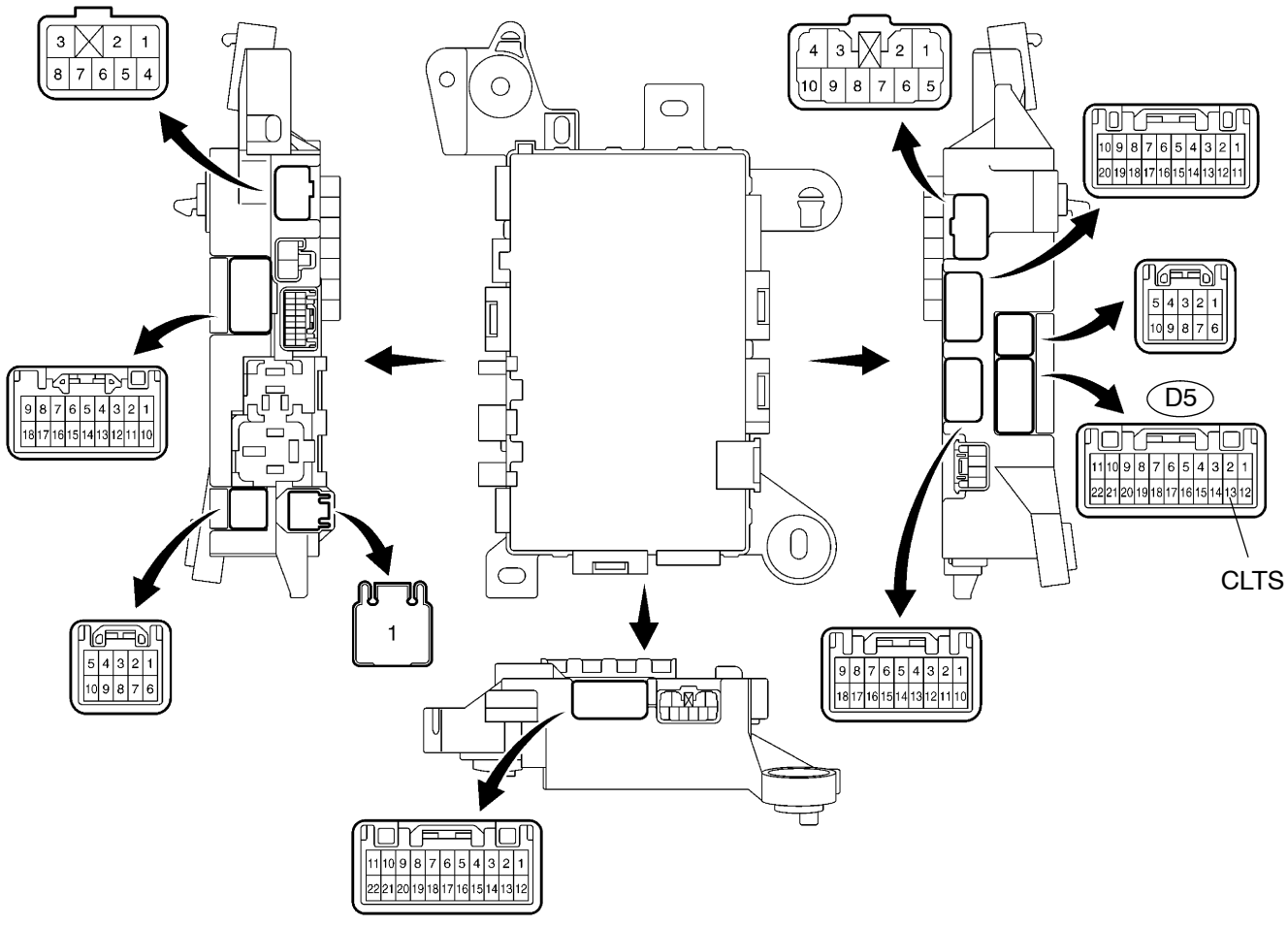

(a) Disconnect the D5 connector from the driver side junction block.

(b) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| A31–5 – D5–13 | Always | Below 1 Ω |

**Driver Side Junction Block Connector Front View:**




HINT:

This illustration is for RHD model. The RHD and LHD models are symmetrical.

| NG | REPAIR OR REPLACE HARNESS OR CONNECTOR |
|---|---|

OK

| 3 | REPLACE AUTOMATIC LIGHT CONTROL SENSOR |
|---|---|

**OK: Returns to normal operation.**

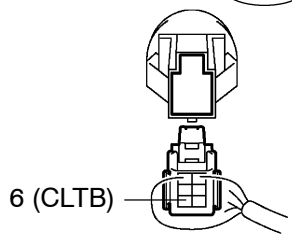
**NG** → **REPLACE DRIVER SIDE JUNCTION BLOCK**

**OK**

**END**

| 4 | CHECK HARNESS AND CONNECTOR(DRIVER SIDE JUNCTION BLOCK – AUTOMATIC LIGHT CONTROL SENSOR) |
|---|---|

**Automatic Light Control Sensor Connector Front View:** A31




(a) Measure the voltage according to the value(s) in the table below.

**Standard:**

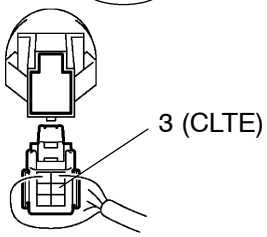
| Tester Connection | Condition | Specified Condition |
|---|---|---|
| A31–6 – Body ground | Ignition switch ON | 10 to 14 V |

**NG** → **Go to step 6**

**OK**

| 5 | **CHECK HARNESS AND CONNECTOR(DRIVER SIDE JUNCTION BLOCK – AUTOMATIC LIGHT CONTROL SENSOR)** |
|---|---|

**Automatic Light Control Sensor**
**Connector Front View:** A31

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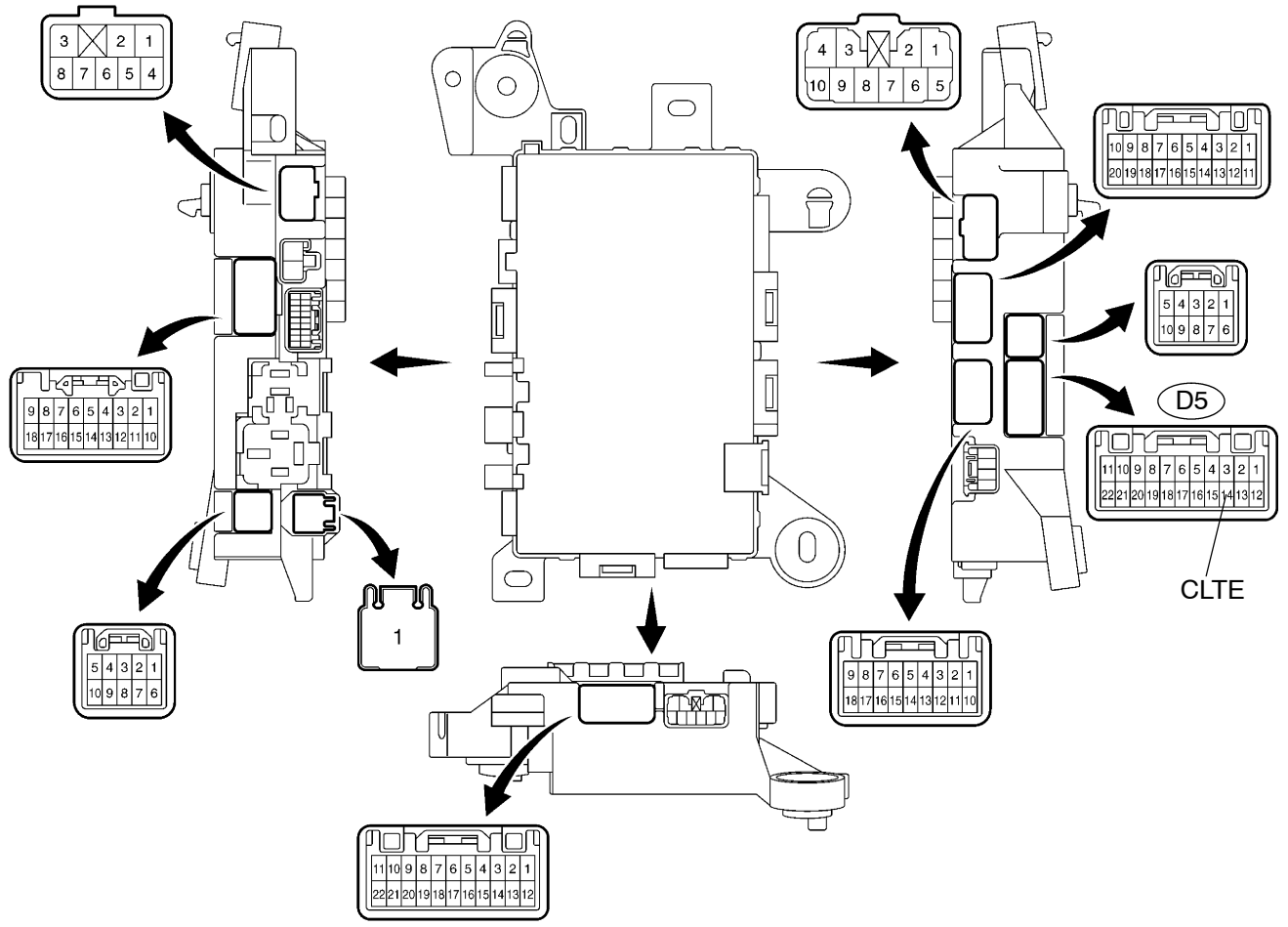
(a) Disconnect the D5 connector from the driver side junction block assy.

(b) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| A31–3 – D5–14 | Always | Below 1 Ω |

**Driver Side Junction Block**
**Connector Front View:**




HINT:
This illustration is for RHD model. The RHD and LHD models are symmetrical.

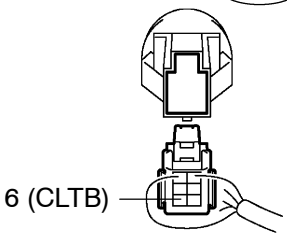
**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**REPLACE DRIVER SIDE JUNCTION BLOCK**

| 6 | **CHECK HARNESS AND CONNECTOR(DRIVER SIDE JUNCTION BLOCK – AUTOMATIC LIGHT CONTROL SENSOR)** |
|---|---|

**Automatic Light Control Sensor**
**Connector Front View:** A31



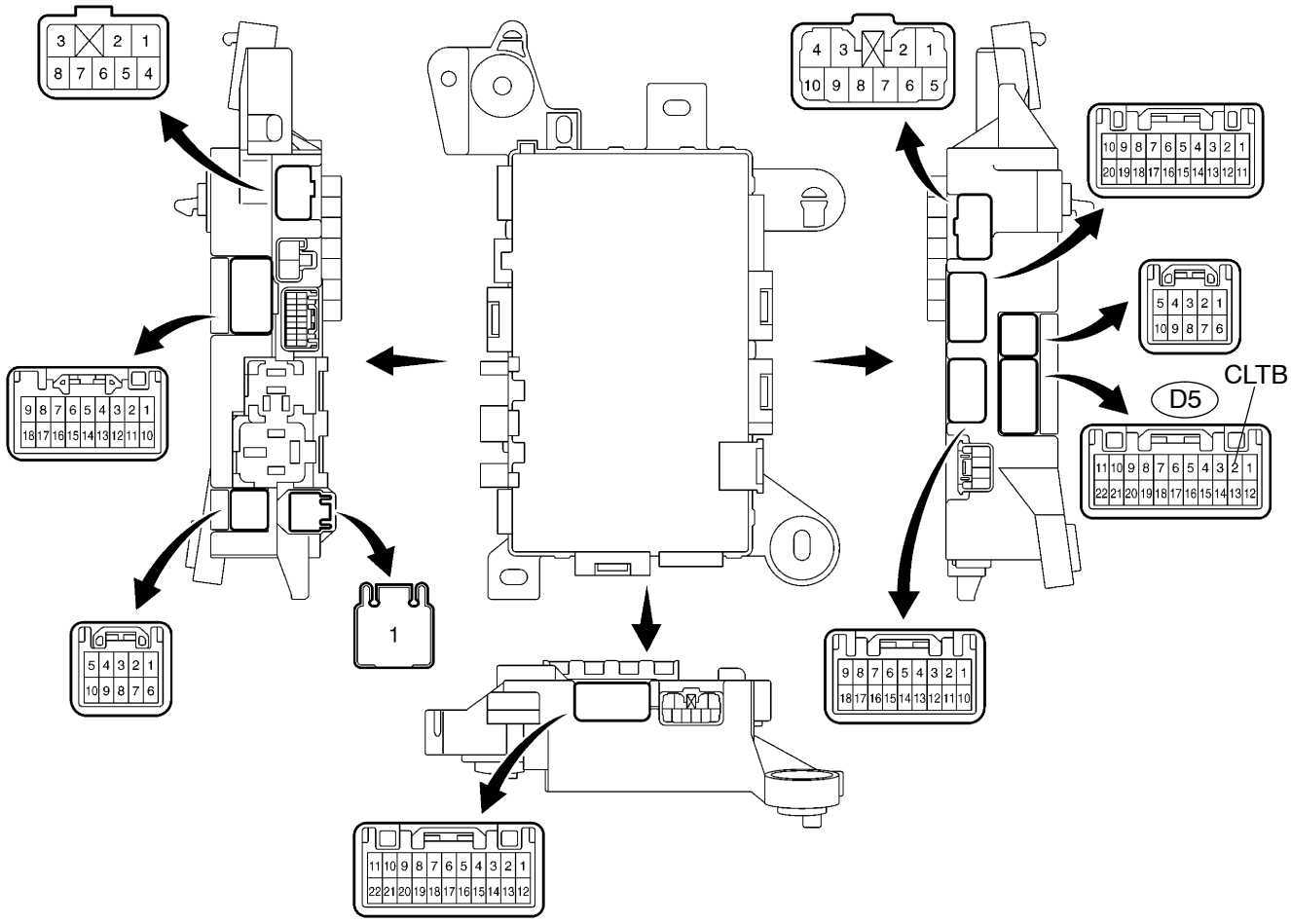

(a) Disconnect the D5 connector from the driver side junction block assy.

(b) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| A31–6 – D5–2 | Always | Below 1 Ω |

**Driver Side Junction Block**
**Connector Front View:**




HINT:
This illustration is for RHD model. The RHD and LHD models are symmetrical.

| | |
|---|---|
| **NG** | **REPAIR OR REPLACE HARNESS OR CONNECTOR** |

**OK**

| |
|---|
| **REPLACE DRIVER SIDE JUNCTION BLOCK** |